

Wind Analysis Summary Report

Site Number

302

Site Information

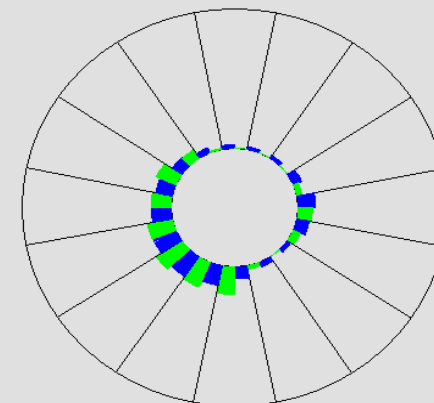
Project: Raft River #2
Location: South of Malta
Site Elevation: 5241 ft
Averaging Time: 10 min

Sensor Information

Sensor/Tower Height: 66 ft
Scaled Height: 213 ft
Windvane Offset: 0 degrees

Date Range: 8/16/04 10:20-8/16/05 10:20

Wind Rose Graph

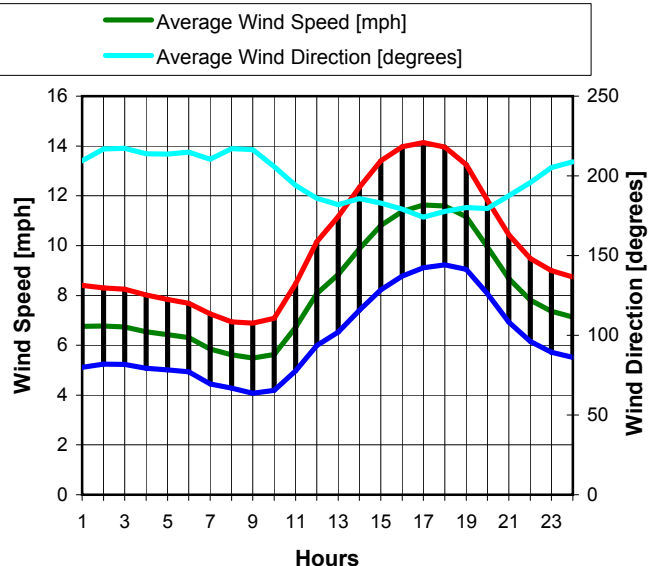


Percent of Total Wind Energy Inner Circle = 0%
Percent of Total Time Outer Circle = 70%

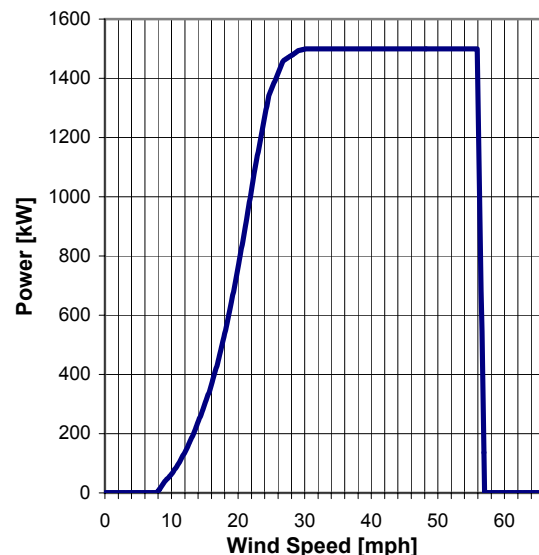
Statistics

Days Used in Calculation: 362.94
Hours Used in Calculation: 8710.67
Gust Speed: 53 mph
Gust Time: 6/24/2005 19:20
Estimated Energy Output: 1027053 kWh
Calculated Air Density: 1.041 kg/m³
Average Wind Speed: 8.09 mph
Average Wind Direction: 198 degrees
Capacity Factor: 0.08
Turbine Manufacturer: GE Wind Energy
Turbine Model: GE 1.5 S, 70.5m rotor,
Turbine Rating: 1500 kW
Estimated Annual Production: 1032870 kWh/Year
Scaled Est. Annual Production: 1676981 kWh/Year
Scaled Air Density: 1.041 kg/m³
Scaled Capacity Factor: 0.12

Diurnal Wind Speed Pattern



GE 1.5 S, 70.5m rotor,



Frequency Distribution Graph

Relative Frequency [%] Estimated Energy [kWh]

